

Day 1:

Sep. 13, 23.00h Pacific Time (PT)

Sep. 14, 8.00h Central European Time (CET)

Sep. 14, 16.00h Australian Eastern Standard Time (AEST)

23.00 PT - 08.00 CET - 16.00 AEST

Intro: Thomas Bosch

Session 1: Chair Thomas Bosch

Talk 1 – 25+5 min | 23.15 PT - 08.15 CET - 16.15 AEST

Invited Speaker MAJA ADAMSKA - Australian National University

What can sponge (meta- and epi-)genomes tell us about animal evolution?

Talk 2 – 12+3 min | 23.45 PT - 08.45 CET - 16.45 AEST

Shinichiro Maruyama - Tohoku University

A novel mechanism of carbon transfer from coral symbiont alga without host signals

Talk 3 12+3 min | 00.00 PT - 09.00 CET - 17.00 AEST

Jinru He - Kiel University

Microbial impact on developmental processes of Hydra

Break – 5 min

Session 2: Chair Christian R. Voolstra

Talk 4 – 12+3 min | 00.20 PT - 09.20 CET - 17.20 AEST

Febrimarsa Febrimarsa - National University of Ireland Galway

Alkbh1 clears genomic 6mA contamination to facilitate timely zygotic genome activation in a cnidarian embryo

Talk 5 – 12+3 min | 00.35 PT - 09.35 CET - 17.35 AEST

Miguel Salinas-Saavedra - NUI Galway

Mechanisms of cellular reprogramming in cnidarian whole body regeneration

Talk 6 – 12+3 min | 00.50 PT - 9.50 CET - 17.50 AEST

Moritz Mercker - Heidelberg University, Institute of Applied Mathematics

How Dickkopf molecules and Wnt/Beta-catenin interplay to self-organise the Hydra body axis

Talk 7 – 12+3 min | 01.05 PT - 10.05 CET - 18.05 AEST

Kathrin Garschall - University of Bergen

Nutritional regulation of growth and degrowth in Nematostella vectensis

Catchup Rooms (30 min)

End of Day & Adjourn: 01.35 PT - 10.35 CET - 18.35 AEST

Day 2:

Sep. 15, 07.00h Pacific Time (PT)

Sep. 15, 16.00h Central European Time (CET)

Sep. 16, 00.00h Australian Eastern Standard Time (AEST)

Session 3: Chair Annika Guse

Talk 1 – 25+5min | 07.00 PT - 16.00 CET - 00.00 AEST

Invited Speaker IÑAKI RUIZ-TRILLO - CSIC-Universitat Pompeu Fabra

The power of unicellular relatives of animals: a new perspective into the origin of Metazoa

Talk 2 – 12+3 min | 07.30 PT - 16.30 CET - 00.30 AEST

Julia Steger - University of Vienna

*Single-cell transcriptome dynamics throughout the life cycle of *Nematostella vectensis**

Talk 3 – 12+3 min | 07.45 PT - 16.45 CET - 00.45 AEST

Anna Ferraioli - Sorbonne Université

*Cell type comparison across life stages of the hydrozoan *Clytia hemisphaerica**

Break – 5min

Session 4: Chair Uli Technau

Talk 4 – 12+3 min | 08.05 PT - 17.05 CET - 01.05 AEST

Jacob Musser - MBL

Profiling cellular diversity in sponges informs animal cell type and nervous system evolution

Talk 5 – 12+3 min | 08.20 PT - 17.20 CET - 01.20 AEST

Eleanor Gilbert - University of Plymouth

*Molecular and cellular architecture of the larval sensory organ in the cnidarian *Nematostella vectensis**

Talk 6 – 12+3 min | 08.35 PT - 17.30 CET - 01.30 AEST

Pawel Burkhardt - Sars Centre, University of Bergen

*The unique neuronal structure and neuropeptide repertoire in the ctenophore *Mnemiopsis leidyi* shed light on the evolution of animal nervous systems*

Talk 7 – 12+3 min | 08.50 PT - 17.50 CET - 01.50 AEST

Brandon Weissbourd - California Institute of Technology

Functional modules within a distributed neural network control feeding in a model medusa

Catchup Rooms (30 min)

Concluding Remarks - Annika Guse, Christian R. Voolstra: 09.35 PT - 18.35 CET - 02.35 AEST